

CLAIMS

1. A method for synchronizing World Wide Web content
between a plurality of mobile devices in a network comprising a
plurality of proxies, the method comprising the steps of:
initiating, through the plurality of proxies, a
synchronized session between the plurality of mobile devices;
a first mobile device of the plurality of mobile devices
retrieving content from a World Wide Web server through a first
proxy of the plurality of proxies; and
synchronizing the content among the plurality of mobile
devices such that the content on each of the mobile devices is
substantially similar.
2. The method of claim 1 wherein the synchronized session
is initiated by a first mobile device of the plurality of mobile
devices.
3. The method of claim 1 and further including the step
of initiating a voice call between at least two of the plurality
of mobile devices.
4. The method of claim 3 and further including the steps
of:
terminating the synchronization session; and
continuing the voice call.

5. The method of claim 1 wherein a second proxy of the plurality of proxies is a Wireless Access Protocol Push Proxy Gateway.

6. The method of claim 1 wherein the first proxy is a Wireless Access Protocol Proxy that acts as a push initiator.

7. A method for establishing a synchronized Web content session between a plurality of mobile devices in a network comprising first and second Wireless Access Protocol (WAP) Proxies and a Push Proxy Gateway, the method comprising the steps of:

the WAP Proxy receiving from a first mobile device of the plurality of mobile devices a synchronization initiation signal;

the WAP Proxy transmitting a Push Access Protocol signal to the Push Proxy Gateway;

the Push Proxy Gateway transmitting a Push Service Indication signal to a second mobile device of the plurality of mobile devices;

the second mobile device transmitting a synchronization accept signal to the WAP Proxy; and

the WAP Proxy transmitting a synchronization acknowledge signal to the first mobile device.

8. The method of claim 7 wherein the Wireless Access
2 Protocol Proxy is a Push Initiator.

9. The method of claim 7 wherein the step of the Push
2 Proxy Gateway transmitting a Push Service Indication signal
includes the Push Proxy Gateway transmitting the Push Service
4 Indication signal to the plurality of mobile devices.

10. The method of claim 7 and further including the steps
of:
the first mobile device transmitting a Get command,
comprising a Universal Resource Locator, to the WAP Proxy;
the WAP Proxy transmitting the Get command to the a World
Wide Web server;
the WAP Proxy transmitting a Push signal to the Push Proxy
8 Gateway;
the Push Proxy Gateway transmitting the Push Service
10 Loading signal to the second mobile device;
the second mobile communication device transmitting a Get
12 signal, comprising the Universal Resource Locator, to the second
WAP Proxy;
14 the second WAP Proxy transmitting the Get signal to the
World Wide Web server;
16 the first WAP Proxy receiving a first Get response signal,
comprising Web content, from the World Wide Web server;

18 the second WAP Proxy receiving a second Get response
signal, comprising the Web content, from the World Wide Web
20 server; and

the first and second WAP Proxies transmitting the first and
22 second Get response signals to the first and second mobile
devices respectively.

11. The method of claim 7 and further including the step
2 of initiating a voice call between the first and the second
mobile devices.

12. The method of claim 7 and further comprising the steps
2 of:

the first WAP Proxy receiving a terminate synchronization
4 session signal from the first mobile device;

the first WAP Proxy transmitting a Push signal to the Push
6 Proxy Gateway;

the Push Proxy Gateway transmitting a Push Service
8 Indication signal to the second mobile device;

the Push Proxy Gateway receiving a confirmation signal from
10 the second mobile device;

the Push Proxy Gateway transmitting the confirmation signal
12 to the WAP Proxy; and

the WAP Proxy transmitting the confirmation signal to the
14 first mobile device.

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13. A method for establishing a synchronized Web content session between a plurality of wireless devices in a network comprising a Wireless Access Protocol (WAP) Proxy, a Sync Proxy, and a WAP Push Proxy Gateway, the method comprising the steps of:

the WAP Push Proxy Gateway receiving from a first wireless device of the plurality of wireless devices, through the Sync Proxy, a synchronization initiation signal;

the WAP Push Proxy Gateway transmitting a Push Service Indication signal to a second wireless device of the plurality of wireless devices;

the Sync Proxy receiving from the second wireless device a synchronization accept signal; and

transmitting the synchronization accept signal to the first wireless device.

14. The method of claim 13 and further including the step of initiating a voice call between the first and the second wireless devices.

15. The method of claim 13 and further including the steps of:

the Sync Proxy forwarding a Get signal, comprising a Universal Resource Locator and a first profile, from the first wireless device to a World Wide Web server;

6 the Sync Proxy receiving from the World Wide Web server,
content that is tailored in response to the first profile;
8 the Sync Proxy transmitting the tailored content to the
first wireless device;
10 the Sync Proxy transmitting to the second wireless device,
through the WAP Push Proxy, a signal comprising the Universal
12 Resource Locator;
the second wireless device transmitting to the World Wide
14 Web server, through the WAP Proxy, a Get signal comprising the
Universal Resource Locator and a second profile; and
16 the second wireless device receiving, through the WAP
Proxy, content from the World Wide Web server that has been
18 tailored in response to the second profile.

16. A method for establishing a one-way synchronized
2 session between a plurality of wireless devices operating in a
network comprising at least a first and a second Wireless Access
4 Protocol (WAP) Proxies and a Push Proxy Gateway, the method
comprising the steps of:
6 the first WAP Proxy receiving a synchronization request
signal, comprising a first profile, from a first wireless
8 device;
the first WAP Proxy transmitting a Push signal to the Push
10 Proxy Gateway;
the Push Proxy Gateway transmitting a Push Service
12 Indication signal to a second wireless device;

the first WAP Proxy receiving a synchronization accept
14 signal, comprising a second profile, from the second wireless
device; and
16 the first WAP Proxy transmitting the synchronization accept
signal to the first wireless device.

17. The method of claim 16 and further including the step
2 of initiating a voice call between the first and the second
mobile communication devices.

18. The method of claim 16 and further including the steps
2 of:

the first WAP Proxy receiving a Web content request signal
4 from the first wireless device;
the first WAP Proxy forwarding the Web content request to a
6 Web server;

the first WAP Proxy receiving the Web content;
8 the first WAP Proxy formatting the Web content for the
first and second wireless devices based on the first and second
10 profiles;

the first WAP Proxy transmitting a Push signal to the
12 second wireless device, through the Push Proxy Gateway;

the second WAP Proxy receiving a request for the Web
14 content from the second wireless device; and

the first WAP Proxy transmitting the Web content, in
16 appropriate formats, to the first and the second wireless

devices in response to requests from the respective wireless
18 devices.

19. The method of claim 16 wherein the first WAP Proxy is
2 a push initiator and comprises transcoding capabilities.

20. A method for establishing a synchronized Web content
2 session between a plurality of wireless devices operating in a
network comprising a Wireless Access Protocol (WAP) Proxy and a
4 Push Proxy Gateway, the method comprising the steps of:
6 the WAP Proxy receiving a synchronization initiation signal
from a first wireless device of the plurality of wireless
devices;
8 the WAP Proxy transmitting a Push Access Protocol signal to
a second wireless device through the Push Proxy Gateway;
10 the second mobile device transmitting a synchronization
accept signal to the WAP Proxy;
12 the WAP Proxy transmitting a synchronization acknowledge
signal to the first mobile device;
14 the WAP Proxy receiving a Web content request signal from
the first wireless device;
16 the WAP Proxy transmitting the Web content request signal
to a Web server;
18 the WAP Proxy receiving the Web content in response to the
request signal;

- 20 the WAP Proxy transmitting the Web content to the first
wireless device;
- 22 the WAP Proxy transmitting a Push signal to the second
wireless device through the Push Proxy Gateway; and
- 24 the WAP Proxy transmitting the Web content to the second
wireless device in response to a received request for the Web
26 content.

21. The method of claim 20 and further including the step
2 of initiating a voice call between the first and the second
mobile communication devices.